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Express Mail No. EV741777266US      "REPLACEMENT SHEET"



HU: MGS D V R D L N A L L P A V P S L G G G G C A L P V S G A A Q W A P V L D F A P P G A S A Y G S L  
MO: MGS D V R D L N A L L P A V S S L G G G G C G L P V S G A A Q W A P V L D F A P P G A S A Y G S L

HU: G G P A P P P A P P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T V H F S G Q F T G T A G  
MO: G G P A P P P A P P P P P P P P H S F I K Q E P S W G G A E P H E E Q C L S A F T L H F S G Q F T G T A G

HU: A C R Y G P F G P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P A I R N Q G Y S T V T F D G T P S  
MO: A C R Y G P F G P P P S Q A S S G Q A R M F P N A P Y L P S C L E S Q P T I R N Q G Y S T V T F D G A P S

HU: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G  
MO: Y G H T P S H A A Q F P N H S F K H E D P M G Q Q G S L G E Q Q Y S V P P P V Y G C H T P T D S C T G

HU: S Q A L L L R T P Y S S D N L Y Q M T S Q L E C M T W N Q M N L G A T L K G V A A G S S S V K W T E  
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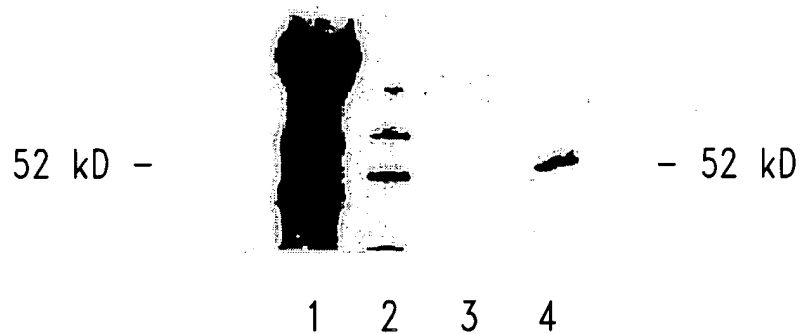
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HU: E T S E K R P F M C A Y P G C N K R Y F K L S H L Q M H S R K H T G E K P Y Q C D F K D C E R R F S R  
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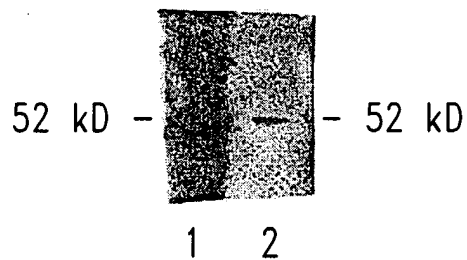
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HU: W P S C Q K K F A R S D E L V R H H N M H Q R N M T K L Q L A L  
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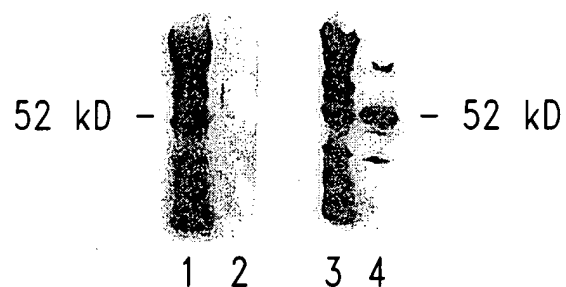
*Fig. 1*



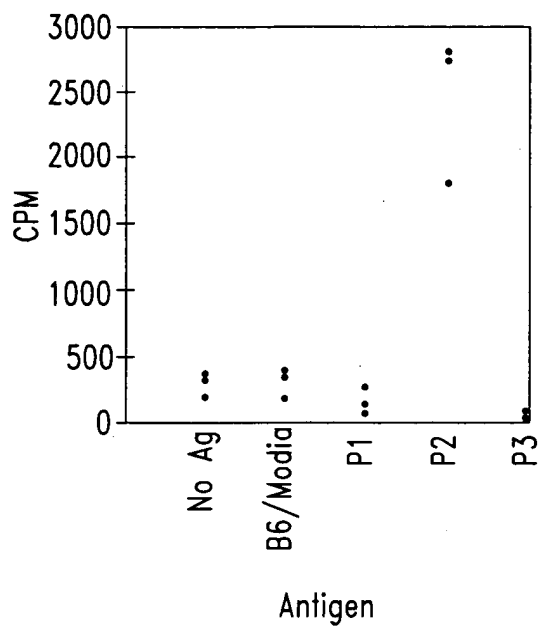
*Fig. 2*



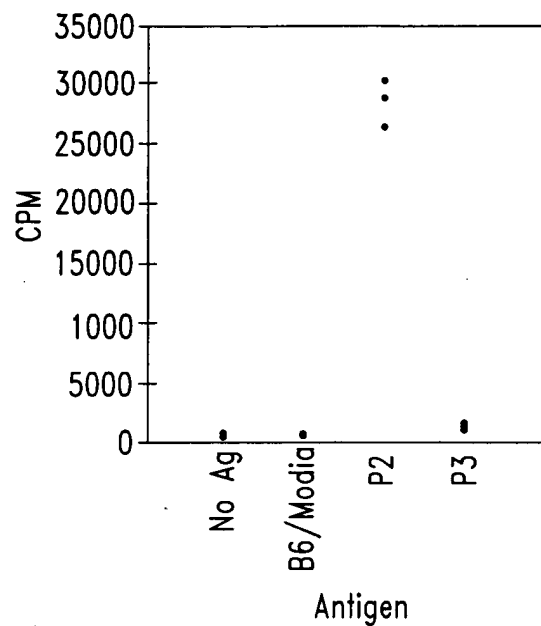
*Fig. 3*



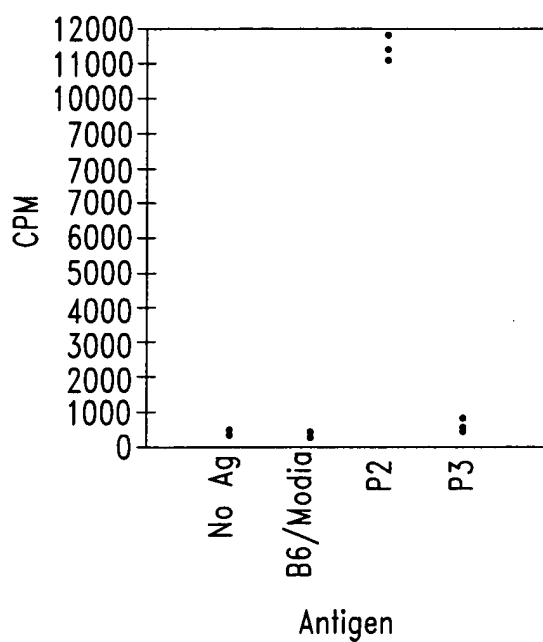
*Fig. 4*



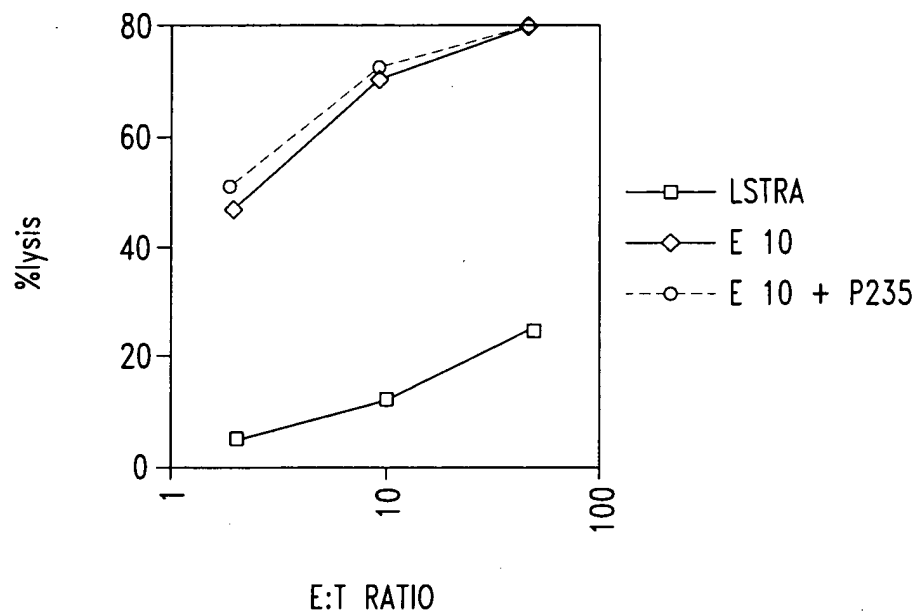
*Fig. 5A*



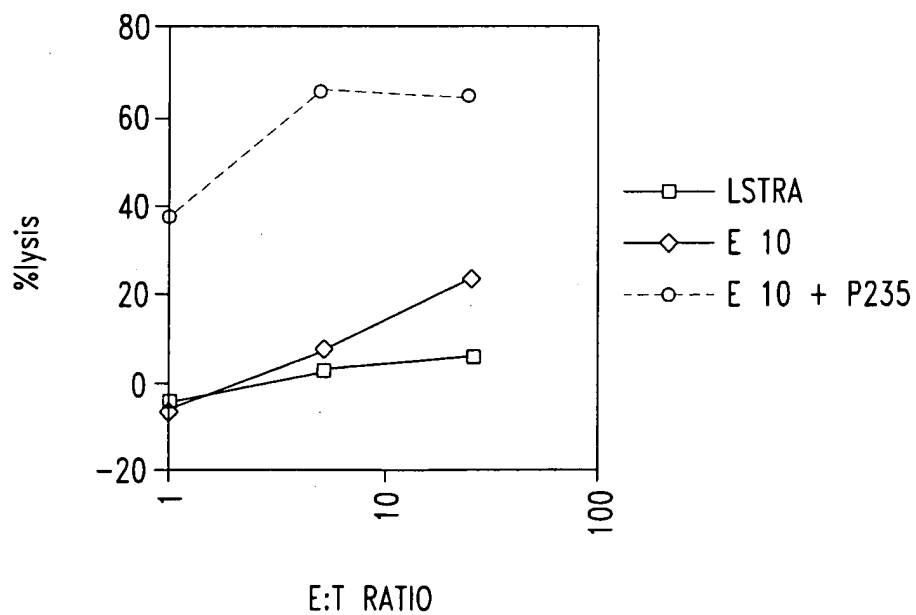
*Fig. 5B*



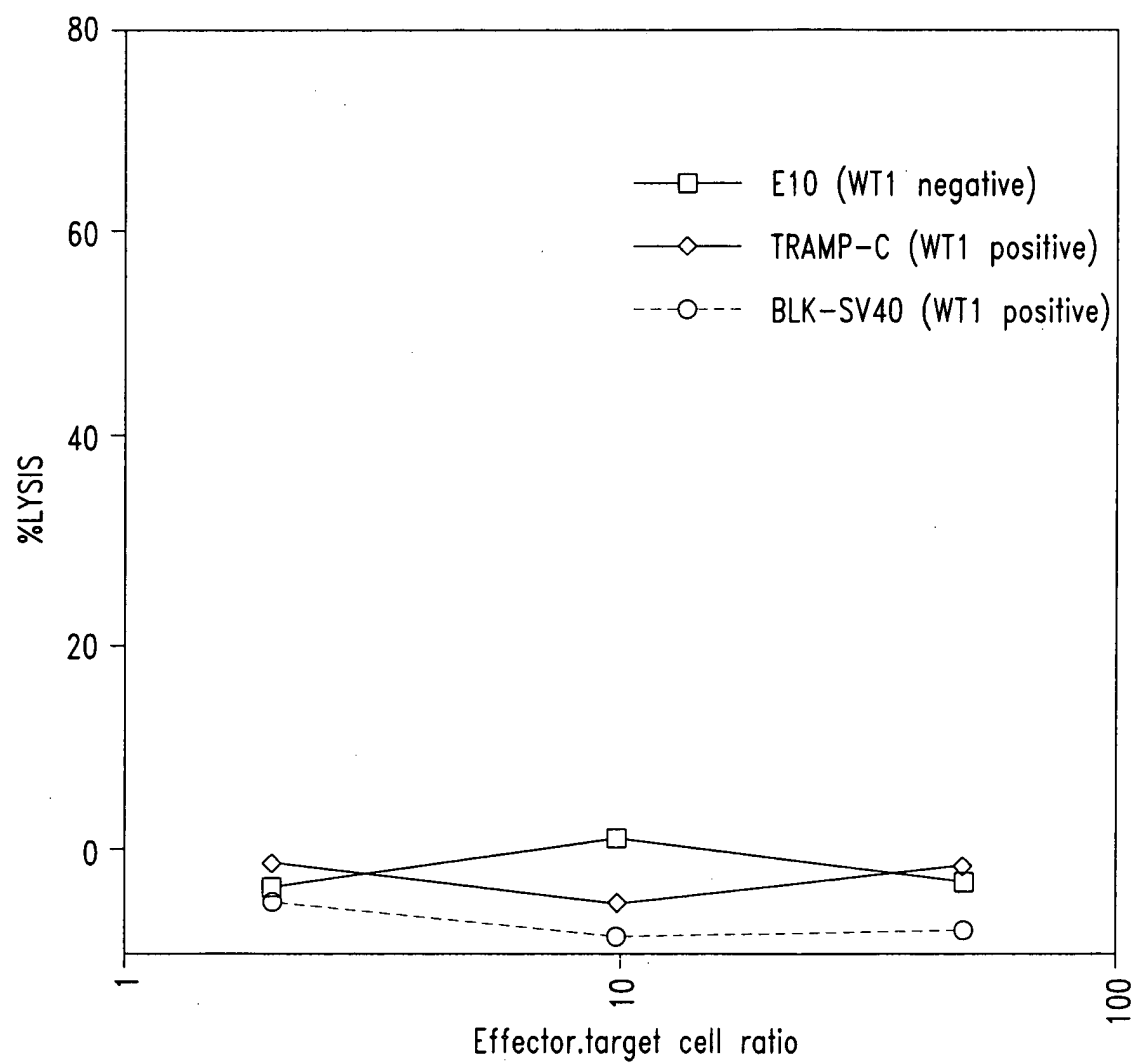
*Fig. 5C*



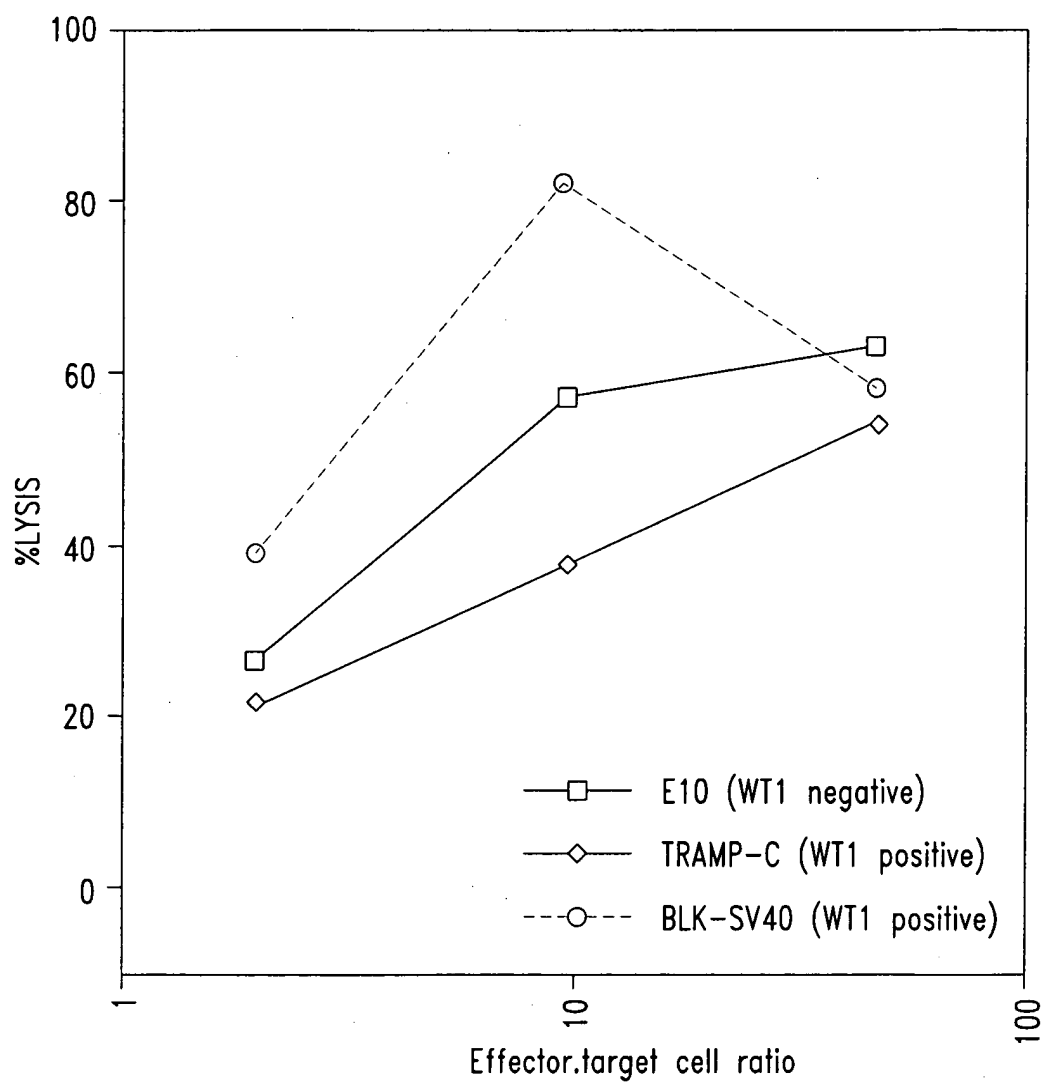
*Fig. 6A*



*Fig. 6B*

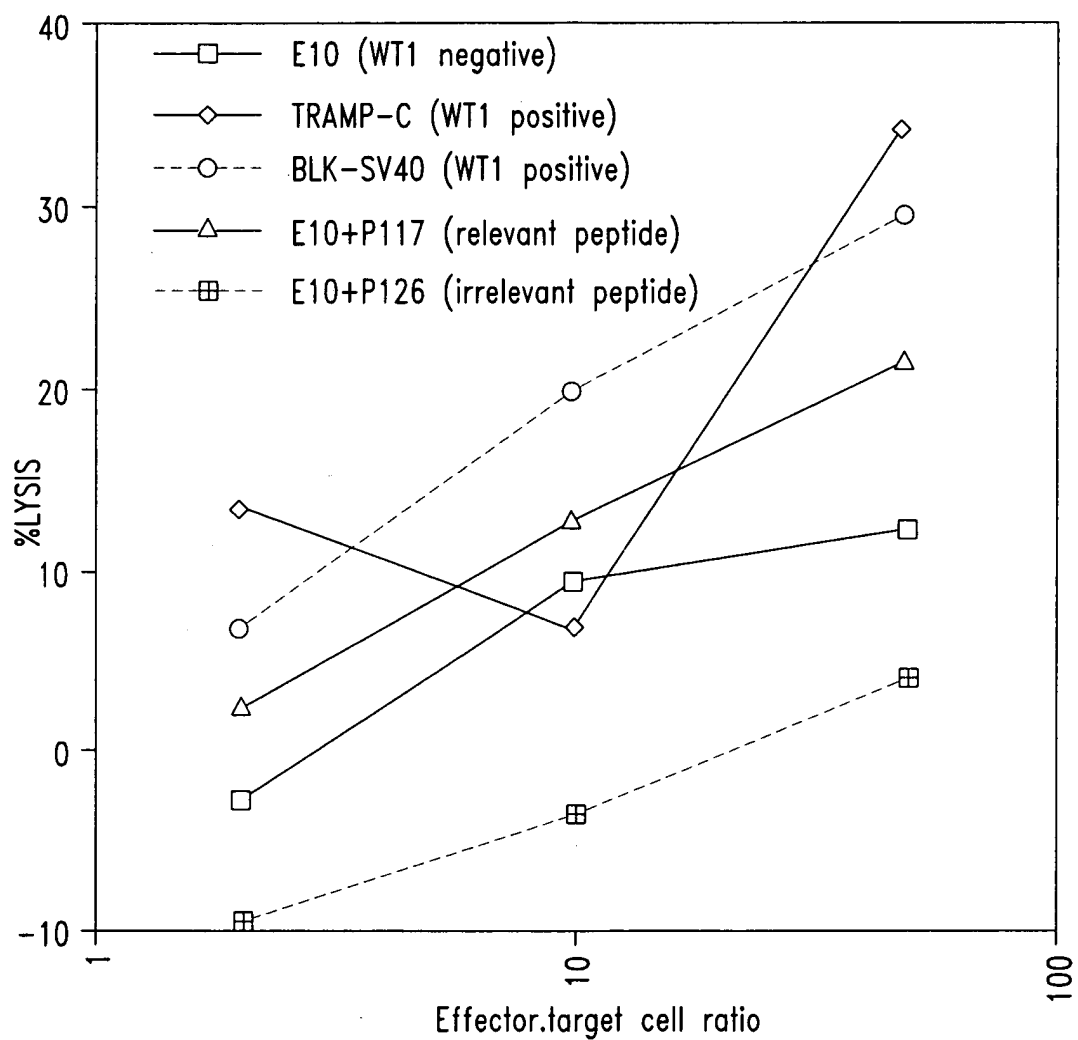


*Fig. 7A*

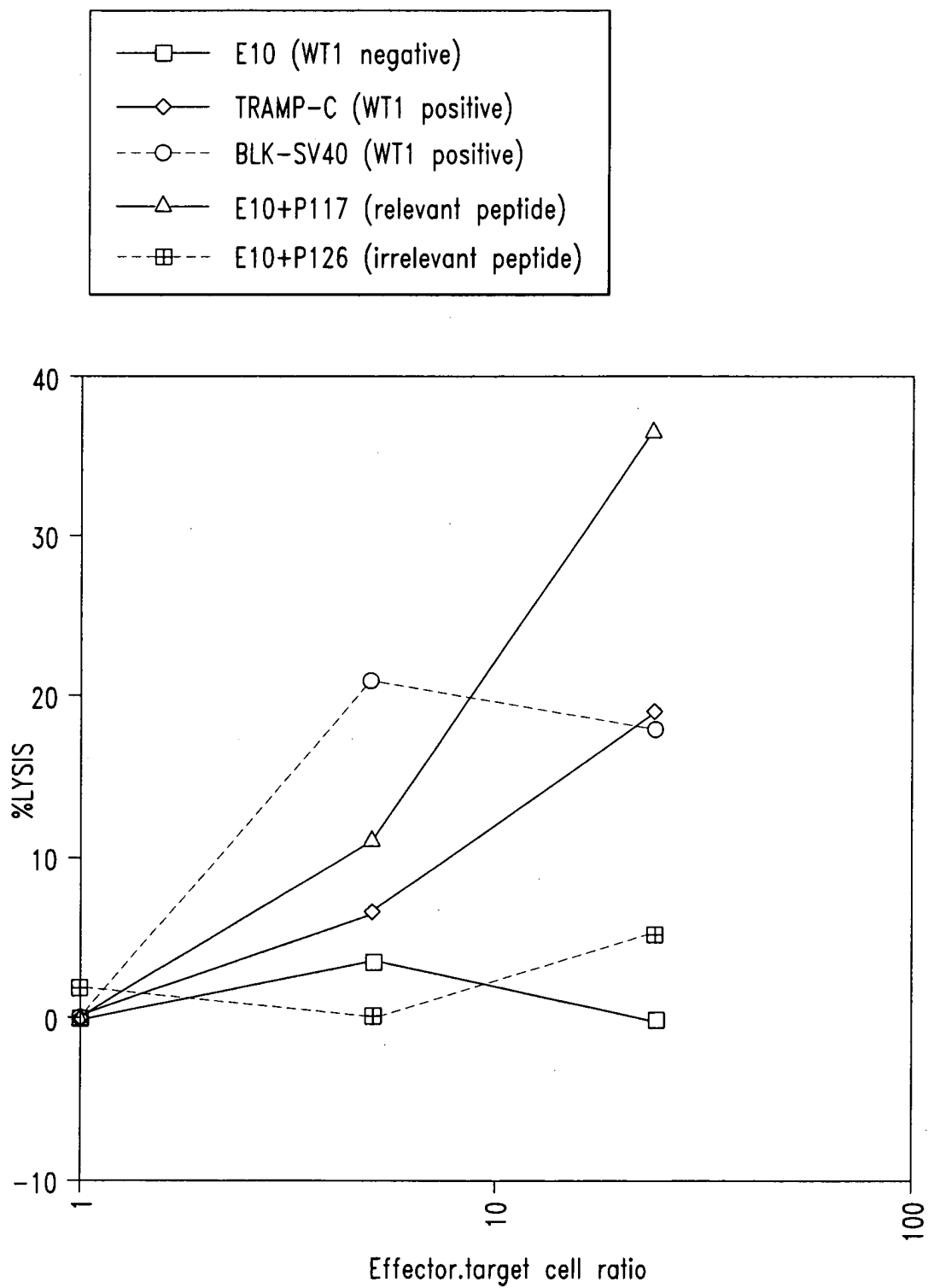


*Fig. 7B*





*Fig. 7C*



*Fig. 7D*

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.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....
.....RRRR.....
.....
.....

      80   85   90   95  100  105  110  115  120  125  130  135  140  145  150
PSWGGAEPEEQCLSAFTVHFSGQFTGTAGACRYGPFPPPPSQASSGQARMFPNAPYLPSCLESQPAIRNQGYS
.....AAA.....AAAA.....AAA.....AAAAA.....
.....RRRR.....RRRR.....
.....DDDDDDDD.....
.....

     155  160  165  170  175  180  185  190  195  200  205  210  215  220  225
TVTFDGTSPSYGHTPSHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDCTGSQALLRTPYSSDN
.....AAAA.....AAAAA.....AA
.....RRRR.....
.....DDDDDDDDDDDD.....
.....

     230  235  240  245  250  255  260  265  270  275  280  285  290  295  300
LYQMTSQLCMTWNQMNLGATLKGVAAGSSSVKWTGQSNHSTGYESDNHTTILCGAQYRIHTHGVRGIQDV
AAAAAA.....AAA.AAA.....AAAAAAAAAA
.....RRRRRRRRRR.....RRRR.....RRRR.....
DDDDDD.....DDDDDDDDDD.....
.....dddd.....

     305  310  315  320  325  330  335  340  345  350  355  360  365  370  375
RRVPGVAPTLVRSASETSEKRPFMCAYPGCNKRYFKLSHLQMHSRKHTGEKPYQCDFKDCERRFSRSDQLKRHR
AAAAA.AAAAAAAAAA.....AAAA.AAAAAAAAAA
.....RRRR.....RRRR.....
.....DDDDDD.....
.....

     380  385  390  395  400  405  410  415  420  425  430  435  440  445  450
RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGTSEKPFSCRWPCQKKFARSDELVRHHNMHQNMTKLQAL
.....AAAA.AAAA.AA.....AAAA.....AAA.....AAAAAA.....AAA.....
.....RRRR.RRRR.....
.....
.....dddddddddd.....

```

*Fig. 8A*

5 10 15 20 25 30 35 40 45 50 55 60 65 70 75  
MGSDVRDLNALLPAVSSSLGGGGGGLPVSGAAQWAPVLDFAAPPASAYGSLGGPAPPPAPPPPPPPHFSIKQE  
.....AAAAAAAAAAAAAAAA.....AAAAA.....AAAAAAAAAAAA.....  
.....RRRR.....  
.....  
.....

80 85 90 95 100 105 110 115 120 125 130 135 140 145 150  
PSWGGAEPEEQCLSAFTLHFSQFTGTAGACRYGPGPPPSQASSGQARMFPNAPYLPSCLESQPTIRNQYS  
.....AAAA.....AAA.....AAAAA.....  
.....RRRR.....RRRR.....  
.....DDDDDDDD.....  
.....

155 160 165 170 175 180 185 190 195 200 205 210 215 220 225  
TVTFDGAPSYGHTPSHHAAQFPNHSFKHEDPMGQQGSLGEQQYSVPPPVYGCHTPTDCTGSQALLLRTPYSSDN  
.....AAAA.....AAAAA.....AA  
.....RRRR.....  
.....DDDDDDDDDDDD.....  
.....

230 235 240 245 250 255 260 265 270 275 280 285 290 295 300  
LYQMTSQLECMWNQMNLGATLKGMAAGSSSVKWTEGQSNHGIGYESDNHTAPILCGAQYRIHTHGVRGFIQDV  
AAAAAAAA.....AAA.AAA.....AAAAAAAAAAAA  
.....RRRRRRRRRR.....RRRR.....RRRR.....  
DDDDDD.....DDDDDDDDDD.....  
.....dddd.....

305 310 315 320 325 330 335 340 345 350 355 360 365 370 375  
RRVSGVAPTLVRSASETSEKRPFCAYPGCNKRYFKLSHLQMSRKHTGEKPYQCDFKDCERRFSRSDQLKRHQR  
AAAAA.AAAAAAAAAA.....AAAA.AAAAAAAAAA  
.....RRRR.....RRRR.....  
..DDDDDDDDDD.....  
.....

380 385 390 395 400 405 410 415 420 425 430 435 440 445 450  
RHTGVKPFQCKTCQRKFSRSDHLKTHTRHTGTSEKPFSCRWHSQKKFARSDELVRHHNMHQRNMTKLHVAL  
.....AAAA.AAAA.AA.....AAAA.....AA.....AAAAA.....AAAA.....  
.....RRRR..RRRR.....  
.....  
.....dddddddddd.....

*Fig. 8B*